

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Federal Clean Water Act as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§26-53),

**Springfield Water and Sewer Commission  
P.O. Box 995  
Springfield, MA 01101-0995**

is authorized to discharge from 24 Combined Sewer Overflows (CSO) discharges serial numbers: 007, 008, 010 - 019, 024, 025, 034 - 037, 043 - 046, 048 and 049 (See Attachment A to this permit)

to receiving waters named **Connecticut River, Chicopee River, and Mill River** (Connecticut River Watershed Basin MA-34), Class B waters

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective 60 days after the date of signature.

This permit and the authorization to discharge **expire at midnight, September 30, 2005.**

This permit supersedes the permit issued on September 29, 1995 and modified on April 14, 1997.

This permit consists of 6 pages in Part I including effluent limitations, monitoring requirements, etc.; **Attachment A** listing CSOs outfall name and location; **Attachment B** listing POTW Discharges; and 35 pages in Part II including General Conditions and Definitions.

Signed this 17<sup>th</sup> day of June, 2003

/Signature on file/

Linda M. Murphy, Director  
Office of Ecosystem Protection  
Environmental Protection Agency  
Boston, MA

Director, Division of Watershed Management  
Bureau of Resource Protection  
Department of Environmental Protection  
Commonwealth of Massachusetts  
Boston, MA

**I. A. COMBINED SEWER OVERFLOW DISCHARGES****1. Effluent Limitations:**

- a. During wet weather, the permittee is authorized to discharge storm water/wastewater from combined sewer outfalls listed in **Attachment A** accompanying this permit, subject to the following effluent limitations.
  - i. The discharges shall receive treatment at a level providing Best Practicable Control Technology Currently Available (BPT), Best Conventional Pollutant Control Technology (BCT) to control and abate conventional pollutants and Best Available Technology Economically Achievable (BAT) to control and abate non-conventional and toxic pollutants. The EPA has made a Best Professional Judgement (BPJ) determination that BPT, BCT, and BAT for combined sewer overflows (CSOs) are implementation of Minimum Technology Based Limitations (MTBLs) specified below and detailed further in Part I.A.2. Minimum Technology Based Controls, Minimum Implementation Levels, of this permit:
    - (1). Proper operation and regular maintenance programs for the sewer system and the combined sewer overflows.
    - (2). Maximum use of the collection system for storage.
    - (3). Review and modification of the pretreatment program to assure CSO impacts are minimized.
    - (4). Maximization of flow to the POTW for treatment.
    - (5). Prohibition of dry weather overflows from CSOs.
    - (6). Control of solid and floatable materials in CSO.
    - (7). Pollution prevention programs that focus on contaminant reduction activities.
    - (8). Public notification to ensure that the public receives adequate notification of CSO occurrences and CSO impacts.
    - (9). Monitoring to effectively characterize CSO impacts and the efficacy of CSO controls.

The permittee shall continue to implement its Nine Minimum Control Program (NMC) as documented on April 1997. The permittee may modify its NMC program to enhance its effectiveness but the NMC program shall at all times include minimum controls and implementation levels listed in Item 2 below.

An annual status report due on or before March 31st of each year shall describe the NMC activities conducted during the previous calendar year and any changes to the permittee's NMC program. The report shall include a summary of modifications to the approved NMC program which have been evaluated, and a description of those which will be implemented during the upcoming year. In the first annual report submitted in accordance with this permit, the permittee shall submit a public notification plan to describe the measures actively being taken to meet NMC #8, and an evaluation of further measures to enhance the public notification program, including use of web postings with CSO information. (see NMC #8 in Part I. A.1.a.i.)

Because the Springfield Water and Sewer Commission currently holds the permits for both the treatment works and the CSOs, this permit does not attempt to differentiate those nine minimum control activities which are appropriate for the treatment works versus those for the collection system. However, if in the future different permittees hold these permits, responsibilities for implementing individual components of the nine minimum control program may have to be identified and the permits modified.

- ii. The discharges shall not cause or contribute to violations of the Clean Water Act or Massachusetts Surface Water Quality Standards.

2. Nine Minimum Controls, Minimum Implementation Levels:

- a. Each CSO structure/regulator, pumping station and/or flood-gate shall be routinely inspected, at a minimum twice per week, to insure that they are in good working condition and adjusted to minimize combined sewer discharges. (MTBL # 1, 2 and 4).

The following inspection results shall be recorded: the date and time of the inspection, the general condition of the facility, and whether the facility is operating satisfactorily. If maintenance is necessary, the permittee shall record: the description of the necessary maintenance, the date the necessary maintenance was performed, and whether the observed problem was corrected. The permittee shall maintain all records of inspections for at least five years.

**Annually, no later than March 31<sup>st</sup>, the permittee shall submit a certification** to the State and EPA which states that the previous calendar year's monthly inspections were conducted, results recorded, and records maintained.

The State and EPA have the right to inspect any CSO related structure or outfall at any time without prior notification to the permittee.

- b. Discharges to the combined system of septage, holding tank wastes or other material which may cause a visible oil sheen or containing floatable material are prohibited during wet weather when CSO discharges may be active. (MTBL # 3, 6, and 7).
- c. Dry weather overflows (DWOs) are prohibited (MTBL # 5). All dry weather sanitary and/or industrial discharges from CSOs must be reported to EPA and the State within 24 hours in accordance with the reporting requirements for plant bypass (Paragraph D.1.e. of Part II of this permit).
- d. The permittee shall record all discharges from combined sewer outfalls (MTBL # 9). The following information must be recorded for each combined sewer outfall for each discharge event:
  - ! Estimated duration (hours) of discharge;
  - ! Estimated volume (gallons) of discharge; and
  - ! National Weather Service precipitation data from the nearest gage where precipitation is available daily at (24-hour) intervals, and the nearest gage where precipitation is available at one-hour intervals. Cumulative precipitation per discharge event shall be calculated.

The permittee shall maintain all records of discharges for at least five years after the effective date of this permit.

**Annually, no later than March 31<sup>st</sup>, the permittee shall submit:** all discharge monitoring data collected during the previous year; and certification to the State and EPA which states that the all discharges from combined sewer outfalls were recorded, and records maintained for the previous calendar year. The permittee shall also submit the monitoring data electronically via diskette, to the address in Parts I.C.1 and I.C.2. listed below.

**Within 90 days of the effective date of this permit,** the permittee will submit a CSO monitoring plan to EPA and MA DEP for approval, which describes the methods the permittee will use to quantify CSO activations and volumes. The CSO monitoring plan will be implemented upon EPA and MA DEP approval. Activation frequencies and discharge volumes required to be submitted in the annual report shall thereafter be reported in accordance with methods identified in the monitoring plan.

- e. The permittee shall install and maintain identification signs for all combined sewer outfall structures (MTBL # 8) The signs must be located at or near the combined sewer outfall structures and easily readable by the public. These signs shall be a minimum of 12 x 18 inches in size, with white lettering against a green background, and shall contain the following information:

**SPRINGFIELD WATER AND SEWER COMMISSION  
WET WEATHER  
SEWAGE DISCHARGE  
OUTFALL (discharge serial number \_\_\_\_ )**

3. Unauthorized Discharges:

The permittee is authorized to discharge only in accordance with the terms and conditions of this permit and only from those outfalls listed in **Attachment A** of this permit. Discharges of wastewater from any other point source, including pumping stations listed in **Attachment B**, are not authorized unless in accordance with General Requirement [Bypasses] Part II, B.4 of this permit. Sanitary Sewer Overflows (SSO) are also not authorized in this permit and shall be reported in accordance with Section D.1.e. (1) of the General Requirements (Twenty four hour reporting).

**B. ALTERNATE POWER SOURCE**

In order to maintain compliance with the terms and conditions of this permit, the permittee shall continue to provide an alternative power source with which to sufficiently operate its treatment works (as defined at 40 CFR §122.2).

**C. MONITORING AND REPORTING**

1. All reports required herein, shall be submitted to the Director at the following address:

U.S. Environmental Protection Agency  
Water Technical Unit (SEW)  
P.O. Box 8127  
Boston, Massachusetts 02114

2. One copy of all reports required herein shall be submitted to MADEP at each of the following addresses:

Massachusetts Department of Environmental Protection  
Western Regional Office - Bureau of Resource Protection  
436 Dwight Street, Springfield, MA 01103

Massachusetts Department of Environmental Protection  
Division of Watershed Management  
627 Main Street- 2<sup>nd</sup> floor  
Worcester, MA 01608

Massachusetts Department of Environmental Protection  
Northeast Regional Office/BRP- att. Kevin Brander  
1 Winter Street  
Boston, MA 02108

#### **D. NOTICE OF NONCOMPLIANCE**

The permittee shall give notice of noncompliance with the terms and conditions of this permit pursuant to Section D(1) listed on pages 10 through 12 of Part II of the permit.

#### **E. STATE PERMIT CONDITIONS**

This discharge permit is issued jointly by the U. S. Environmental Protection Agency (EPA) and the Massachusetts Department of Environmental Protection (DEP) under federal and state law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Commissioner of the MADEP pursuant to M.G.L. Chap. 21, §43.

Each agency shall have the independent right to enforce the terms and conditions of this permit. Any modification, suspension or revocation of this permit shall be effective only with respect to the agency taking such action, and shall not affect the validity or status of this permit as issued by the other agency, unless and until each agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this permit is declared invalid, illegal, or otherwise issued in violation of state law, such permit shall remain in full force and effect under federal law as an NPDES Permit issued by the U.S. Environmental Protection Agency. In the event this permit is declared invalid, illegal or otherwise issued in violation of federal law, this permit shall remain in full force and effect under state law as a permit issued by the Commonwealth of Massachusetts.

**Attachment A**  
NPDES Permit No. MA0103331  
Springfield Water and Sewer Commission  
**COMBINED SEWER OVERFLOW (CSO) DISCHARGES**

<b><u>DISCHARGE SERIAL.No.</u></b>	<b><u>CSO LOCATION</u></b>	<b><u>RECEIVING WATERS</u></b>
007	Rowland Street	Connecticut River
008	Washburn Street	Connecticut River
010	Clinton Street	Connecticut River
011	Liberty Street	Connecticut River
012	Worthington Street	Connecticut River
013	Bridge Street	Connecticut River
014	Elm Street (Elin St.)	Connecticut River
015	Union Street	Connecticut River
016	York Street	Connecticut River
018	Longhill Street	Connecticut River
049	Springfield Street	Connecticut River
034	Main Street	Chicopee River
035	Front and Oak Streets	Chicopee River
036	Pinevale and Water Streets	Chicopee River
037	Cedar Street	Chicopee River
043	Banner Street	Chicopee River
044	Rogers Avenue	Chicopee River
017	Fort Pleasant Ave. at Blake Hill	Mill River
019	Mill, Orange, and Locust Street	Mill River
024	Rifle and Central Street	Mill River
025	Allen and Oakland Street	Mill River
045	Fort Pleasant Avenue	Mill River
046	Belmont Street	Mill River
048	Allen and Rifle Streets	Mill River





**Attachment B**  
NPDES Permit No. MA0103331  
Springfield Water and Sewer Commission  
POTW DISCHARGES \*

**DISCHARGE**  
**SERIAL.No.**

**LOCATION**

030	Liberty Street Pumping Station
031	Canton Circle Pumping Station
032	Carew Street Pumping Station
040	Tiffany Street Pumping Station
050	Indian Orchard Pumping Station

\* **Unauthorized Discharges:**

The permittee is authorized to discharge only in accordance with the terms and conditions of this permit and only from those outfalls listed in **Attachment A** of this permit. Discharges of wastewater from any other point source, including pumping stations listed in this **Attachment B** are not authorized in this permit and must be reported in accordance with General Requirement [Bypasses] Part II, B.4. of this permit.